

## Joint IAS-PU Symplectic Geometry Seminar

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Manifolds with  $G_2$  Holonomy and Contact Structures

Sema Salur

University of Rochester and Princeton University

**Date & Time:** Fri, 04/05/2013 - 13:30 - 14:30

**Location:** Fine Hall 322

A 7-dimensional Riemannian manifold  $(M, g)$  is called a  $G_2$  manifold if the holonomy group of its Levi-Civita connection of  $g$  lies inside  $G_2$ . In this talk, I will first give brief introductions to  $G_2$  manifolds, and then discuss relations between  $G_2$  and contact structures. If time permits, I will also show that techniques from symplectic geometry can be adapted to the  $G_2$  setting. These are joint projects with Hyunjoo Cho, Firat Arikan and Albert Todd.

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Dorothea Phares

phares@ias.edu

Thu, 01/03/2013 - 16:43

Wed, 03/27/2013 - 15:41

terms:

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